



## Well History

Well Name: French 41-4

API 05123217780000		Surface Legal Location NENE 4 5N 64W		Field Name Wattenberg		State CO		Well Configuration Type Vertical					
Ground Elevation (ft) 4,622.00		Original KB Elevation (ft) 4,634.00		KB-Ground Distance (ft) 12.00		Spud Date 2/17/2004 00:00		Rig Release Date 2/24/2004 00:00		On Production Date 3/2/2004		Abandon Date	

### Daily Operations

Start Date	Summary	End Date
11/29/2017	ITP 400 PSI, ICP 400 PSI, ISCP 0 PSI, WELL WAS SHUT IN, MIRU RANGER RIG 03, BLEW DOWN WELL TO RIG TANK, FUNCTION TESTED BOP, CIRCULATED WELL WITH CLAYTREAT/BIOCIDE WATER, ND PRODUCTION TREE, NU BOP, PICKED UP TAG JTS, RAN 6 JTS 189' AND DIDN'T TAG, LD TAG JTS, TALLY OUT OF THE HOLE WITH 2 3/8 J-55 4.7 PRODUCTION PIPE TO DERRICK, TUBING WAS LANDED AT 6532 KB WITH 204 JTS AND NC/SN OF 2 3/8 J-55 4.7, MIRU PICK TESTER, PU STS'S 3 7/8 BLADE BIT AND 4 1/2 SCRAPER DRESSED FOR 11.6 CASING, RIH WITH PRODUCTION PIPE DOWN TO 6528' WITH 205 JTS, RD HYDRO TESTER, ALL PIPE TESTED GOOD, LD 4 JTS ON THE GROUND, PULLED 200 JTS TO DERRICK, LD BIT AND SCRAPER, SI AND SECURE WELL FOR THE NIGHT, SD.	11/29/2017
11/30/2017	NO PRESSURES, OPENED WELL, MIRU RANGER WIRE LINE, PU 4 1/2 10K CIBP, RIH WITH WIRE LINE, SET CIBP AT 6494', CORRELATED WITH LOGS, POOH, LD SETTING TOOL, SPOTTED 2 SACKS OF CEMENT ON TOP OF THE PLUG, RD WIRE LINE, LOADED THE HOLE, PRESSURE TESTED CASING AND PLUG UP TO 2000 PSI, HELD GOOD FOR 15 MINUTES, ND BOP AND WELL HEAD, UNLANDED CASING PULLING 120K, NU CEMENT FLANGES, CHANGED EQUIPMENT FROM 2 3/8 TO 1 1/4, PU 1 1/4 MULE SHOE, RIH WITH 1 1/4 CSHD PIPE PICKING IT UP FROM THE TRAILER, TAGGED AT 511' WITH 17 JTS, CONDITIONED THE HOLE WITH MUD FOR 1.5 HOURS, MIRU O-TEX CEMENT TRUCKS, HELD SAFETY MEETING, PRESSURE TESTED LINES UP TO 2500 PSI, ESTABLISHED CIRCULATION WITH WATER, PUMPED 146 SACKS (30 BBL) OF 15.8 CLASS G CEMENT AND GOT CEMENT ON RETURNS, RIG DOWN CEMENT TRUCKS, LD PIPE, CLEAN UP EQUIPMENT AND PIPE FROM CEMENT, ND CEMENT FLANGES, LANDED CASING SETTING 80K ON THE SLIPS, NU 5K WELL HEAD AND BOP, DRAIN PUMP AND LINES, SI AND SECURE WELL FOR THE NIGHT, SD.	11/30/2017
12/1/2017	NO PRESSURES, OPENED WELL, MIRU RANGER WIRE LINE, RIH WITH LOGGING TOOL, LOGGED FROM 1000' UP TO SURFACE, FOUND TOC AT 20', RIG DOWN WIRE LINE, CHANGE EQUIPMENT FROM 1 1/4 TO 2 3/8, PU 3 7/8 CONE BIT AND PO BIT SUB, RIH WITH 2 3/8 PRODUCTION PIPE, LANDED TBG AT 6221.09' KB WITH 194 JTS OF 2 3/8 J-55 4.7, SEAT NIPPLE, PUMP OFF BIT SUB AND 3 7/8 CONE BIT (272.91' ABOVE THE PLUG), RU SWAB LUBRICATOR, MADE A BROACH RUN DOWN TO SEAT NIPPLE (1.901"), RD SWAB LUBRICATOR, ND BOP, INSTALLED 5K TOP FLANGE, TORQUE AND TESTED WELL HEAD UP TO 5000 PSI FOR 15 MINUTES, GOOD TEST, CLOSE WELL, RACK PUMP AND TANK, RDMOL, FINAL REPORT.  TUBING DETAILS KB 10.00 194 JTS 2 3/8 J-55 4.7 6207.89 SEAT NIPPLE 1.20 PUMP OFF BIT SUB 2.00 TOTAL 6221.09  NOTE: SENT 10 GOOD JTS OF 2 3/8 J-55 TO ATP'S YARD TO PDC'S INVENTORY. TUBING WAS LANDED ABOVE THE NIOBRARA PERFS, WILL NEED 550' OF PIPE TO LAND ABOVE THE CODELL PERFS.	12/1/2017